LOS ANGELES AFB, CA
UTILITY SYSTEM DESCRIPTIONS

General: Los Angeles AFB is located in El Segundo, Los Angeles County, California and is an Air Force Materiel Command (AFMC) installation. The mission of the AFMC is to research, develop, test, deliver and logistically support every Air Force weapon system. The host command for the Base is the Space and Missile Systems Center, responsible for research, development, acquisition, on-orbit testing, and sustaining military space and missile systems. Los Angeles AFB occupies 112 acres with an additional 130 acres of Military Family Housing (MFH) located approximately 18 miles south of the Main Base in San Pedro. These MFH areas consist of the Fort MacArthur MFH Annex that occupies approximately 96 acres with 404 housing units), the Pacific Crest MFH (approximately 22 acres with 91 housing units, and the Pacific Heights MFH (approximately 11 acres with 79 housing units). There is also an off-site manufacturing/testing facility known as the Lawndale Annex that occupies 13 acres approximately one mile south of the Main Base.
System Descriptions: The following information provided is only an estimate of the size, scope and general description of the electrical, natural gas, potable water and wastewater utility systems at the base and is subject to change.

Electrical: The base receives power from three 16.5 kV overhead primary lines that feed 11 substations throughout the base. The distribution system consists of approximately 13,650 linear feet of underground lines. Approximately 25% of the underground distribution system was completed in 1989; the remaining 75% was installed as early as 1942 and is in need of repair or replacement in areas. The design capacity for the electrical distribution system is 18,864 KW. Current peak demand is 3,978 KW, or 21% of design capacity.

Natural gas: Service is provided to the main base by two 12-inch high-pressure lines from Southern California Gas Company. Distribution on base is accomplished by approximately 21090 linear feet of lines ranging from 1 inch to 10 inches in diameter. The design capacity for the natural gas distribution system is 1,129 kcf/day. Current peak demand is approximately 376 kcf/day, or 33% of design capacity.

Potable water: Water is provided to the main base via a 70 psi 8-inch line and a 90 psi 10-inch line. Distribution is accomplished by approximately 37,300 linear feet of lines ranging from 1 inch to 10 inches in diameter. The design capacity for the potable water distribution system is approximately 34.56 mgd. Current peak demand is approximately 17.1 mgd, or 49% of design capacity.

Sanitary Wastewater: Collection is accomplished by approximately 25,400 linear feet of predominantly vitrified clay piping ranging from 3 inches to 12 inches in diameter. Collected wastewater is discharged into city or county sanitary sewer systems at five discharge points.

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